L Number	Hits	Search Text	DB	Time stamp
1	111	rectangular adj capillary	USPAT;	2004/03/14 21:57
			US-PGPUB;	
			EPO; JPO;	
		·	DERWENT;	
	20	(rootangular adi capillaru) and migrofluidic	IBM_TDB USPAT;	2004/03/14 21:36
2	26	(rectangular adj capillary) and microfluidic	US-PGPUB;	2004/03/14 21:36
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
3	0	PCT/US99/23814	USPAT;	2004/03/14 21:55
1			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
4	0	PCT and US99 and "23814"	USPAT;	2004/03/14 21:44
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
5	139	"23814"	IBM_TDB USPAT;	2004/03/14 21:44
,	139	23014	US-PGPUB;	2004/03/14 21:44
	ļ		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
6	11	"23814" and pct	USPAT;	2004/03/14 21:47
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
7	21	("4390403" "4457184" "4908112"	USPAT	2004/03/14 21:47
		"5126022" "5229297" "5282942"		
		"5286356" "5358612" "5415747"		
		"5498392" "5571410" "5585069"		
		"5593838" "5603351" "5635358" "5637469" "5750015" "5779969"		
		"5637469" "5750015" "5779868" "5800690" "5890745" "5980704").PN.		
8	14	6149787.URPN.	USPAT	2004/03/14 21:47
9	35	(("4390403" "4457184" "4908112"	USPAT;	2004/03/14 21:47
		"5126022" "5229297" "5282942"	US-PGPUB;	
	i	"5286356" "5358612" "5415747"	EPO; JPO;	
		"5498392" "5571410" "5585069" "5503030" "5603351" "5603550"	DERWENT;	
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		"5800690" "5890745" "5980704").PN.)		
		6149787.URPN.		
10	0	WO9923814	USPAT;	2004/03/14 21:56
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
11	1	WO99/23814	IBM_TDB USPAT;	2004/03/14 21:56
			US-PGPUB;	2001,00,14 21.50
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
12	155	(square rectang\$4) adj capillary	USPAT;	2004/03/14 21:57
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
13	43	((square rectang\$4) adj capillary) and	USPAT;	2004/03/14 21:58
		(microfluid micro-fluid micro adj fluid	US-PGPUB;	, , == ==
		microfluidic micro-fluidic micro adj fluidic	EPO; JPO;	
		microchannel micro-channel micro adj	DERWENT;	
L		channel)	IBM_TDB	

14	17	(((square rectang\$4) adj capillary) and	USPAT;	2004/03/14 22:45
1		(microfluid micro-fluid micro adj fluid	US-PGPUB;	
		microfluidic micro-fluidic micro adj fluidic	EPO; JPO;	
		microchannel micro-channel micro adj channel)) not ((rectangular adj capillary)	DERWENT; IBM TDB	
		and microfluidic)	1511_105	
15	0	"Turner (1993) has cited"	USPAT;	2004/03/14 22:46
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1.0	0	(maghangular add ganillary) and Turnar naar?	IBM_TDB USPAT;	2004/03/14 22:47
16		(rectangular adj capillary) and Turner near2	-	2004/03/14 22:4/
		cited near2 reports	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
17	1	(rectangular adj capillary) and Turner	USPAT;	2004/03/14 22:47
		1	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
18	4	((square rectang\$4) adj capillary) and	USPAT;	2004/03/14 22:48
		Turner	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	2	("6322683").PN.	USPAT;	2004/03/14 17:54
	_	(0322003).IN.	US-PGPUB;	2004/05/14 17:54
			EPO; JPO;	
[DERWENT;	
			IBM_TDB	
-	58	("4390403" "4908112" "4963498"	USPAT	2004/01/27 19:37
		"5089099" "5116471" "5126022"		
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		"5635358"		
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		"5964995" "5965001" "5965410"		
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		"6012902").PN.		
_	3	6322683.URPN.	USPAT	2004/01/27 19:37
·1			1 222111	10 -, 0 -, 2 , 2 , 3 , 1

			1 840001101	1 1140634001		TIGDAM	2004/01/27 20 40
-	9	(("4390403"				USPAT;	2004/01/27 20:40
	}	"5089099"	"5116471"	"5126022"		US-PGPUB;	
		"5140161"	"5144139"	"5164598"		EPO; JPO;	
		"5188963"	"5192405"	"5270183"		DERWENT;	
		"5282942"	"5302264"	"5304487"		IBM_TDB	
		"5358612"	"5415747"	"5486335"			
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		"5603351"	"5605662"	"5630925"			
		"5635358"	"5637469"	"5699157"		1	
		"5750015"	"5779868" İ	"5800690"			
		"5842787"	"5852495"	"5869004"			
		"5876675"	"5880071"	"5882465"			
		"5885470"	"5890745"	"5942443"			
		"5948227"	"5955028"	"5957579"			
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		"5964995"	"5965001"	"5965410"			
		"5972187"	"5976336"	"5989402"			
		!					
		"6001231"	"6004515"	"6011252"	"4000110"		
		I .		"4390403"	"4908112"		
		4963498"	"5089099"		1		
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		"5164598"	"5188963"	"5192405"			
		"5270183"	"5282942"	"5302264"			
i		"5304487"	"5358612"	"5415747"			
		"5486335"	"5498392"	"5536382"			
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-		"5882465"	"5885470"	"5890745"			
		"5942443"	"5948227"	"5955028"			
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		"5965410"	"5972187"	"5976336"			
		"5989402"	"6001231"	"6004515"			
		"6011252"		PN.) and (mi	crogroove		
		,			crogroove		
		micro-groove		inner crough			
	40	caplillary		4063400	1	IICDAT.	2004/01/27 20:12
_	49	(("4390403"			ı	USPAT;	2004/01/2/ 20:12
		"5089099"	"5116471"	"5126022"		US-PGPUB;	
		"5140161"	"5144139"	"5164598"		EPO; JPO;	
		"5188963"	"5192405"	"5270183"		DERWENT;	
		"5282942"	"5302264"	"5304487"		IBM_TDB	
		"5358612"	"5415747"	"5486335"			
l		"5498392 "	"5536382"	"5560811"			
ļ		"5571410"	"5585069"	"5593836"			
		"5603351"	"5605662"	"5630925"			1
		"5635358"	"5637469"	"5699157"			
		"5750015"	"5779868"	"5800690"			
		"5842787"	"5852495"	"5869004"			
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		"5885470"	"5890745"	"5942443"			
		"5948227"	"5955028"	"5957579"			
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		"5964995"	"5965001"	"5965410"			
		"5972187"	"5976336"	"5989402"		1	
		"6001231"	"6004515"	"6011252"			
		"6012902").I					
		micro-groove	trench cha	nnel trough			
		caplillary		cr crough			
		capititary c	<u>1-00vc/</u>				1

		r			1"	T-222	10001/01/0
-	21	((("4390403	•		3"	USPAT;	2004/01/27 20:15
		"5089099"	"5116471"	"5126022"		US-PGPUB;	
		"5140161"	"5144139"	"5164598"		EPO; JPO;	
		"5188963"	"5192405"	"5270183"		DERWENT;	
		"5282942"	"5302264"	"5304487"		IBM_TDB	
		"5358612"	"5415747"	"5486335" "5560811"			
		"5498392" "5571410"	"5536382" "5585069"	"5593836"			
		"5603351"	"5605662"	"5630925"			
		"5635358"	"5637469"	"5699157"			
		"5750015"	"5779868"	"5800690"			
		"5842787"	"5852495"	"5869004"			
		"5876675"	"5880071"	"5882465"			
]		"5885470"	"5890745"	"5942443"			
		"5948227"	"5955028"	"5957579"			
		"5958203"	"5958694"	"5959291"			
		"5964995"	"5965001"	"5965410"			
		"5972187"	"5976336"	"5989402"			
į		"6001231"	"6004515"	"6011252"			
		"6012902").	PN.) and (ma	icrogroove			
				annel trough			
		caplillary o	groove)) and	d (align\$4			
		registration	n regist?r)				
-	28		•	2" "4963498	3"	USPAT;	2004/01/27 20:40
		"5089099"	"5116471"	"5126022"		US-PGPUB;	
		"5140161"	"5144139"	"5164598"		EPO; JPO;	
		"5188963"	"5192405"	"5270183"		DERWENT;	
		"5282942"	"5302264"	"5304487"		IBM_TDB	
		"5358612"	"5415747"	"5486335"			
		"5498392"	"5536382"	"5560811"			
-		"5571410"	"5585069"	"5593836"			
į		"5603351"	"5605662"	"5630925"			
		"5635358"	"5637469"	"5699157"			
		"5750015"	"5779868"	"5800690"			
		"5842787" "5876675 "	"5852495" "5880071"	"5869004" "5882465"			
		"5885470"	"5890745"	"5942443"			
		"5948227"	"5955028"	"5957579"			
		"5958203"	"5958694"	"5959291"			
		"5964995"	"5965001"	"5965410"			
		"5972187"	"5976336"	"5989402"			
		"6001231"	"6004515"	"6011252"			
		"6012902").I					
		micro-groove					
		caplillary o	groove)) not	: (((("43904(3"		
		"4908112"			,		
		"5116471"	"5126022"	"5140161"			
		"5144139"	"5164598"	"5188963"			
		"5192405"	"5270183"	"5282942"			
		"5302264"	"5304487"	"5358612"	•		
i		"5415747"	"5486335"	"5498392"			
		"5536382"	"5560811"	"5571410"			
		"5585069"	"5593836"	"5603351"		1	
		"5605662"	"5630925"	"5635358"			
		"5637469"	"5699157"	"5750015"			
		"5779868"	"5800690"	"5842787"		1	
		"5852495"	"5869004"	"5876675"			
		"5880071"	"5882465"	"5885470"			
		"5890745"	"5942443"	"5948227"			
		"5955028"	"5957579"	"5958203"			
		"5958694"	"5959291"	"5964995"			
		"5965001" "5976336"	"5965410"	"5972187"			
		"6004515"	"5989402" "6011252"	"6001231" "6012902").	DM / and		
		,		ove trench ch			
	ļ						
		registration		ve)) and (ali	Anda		
_	106	rectangular				USPAT;	2004/01/28 16:53
	100	Loccangular	ad capitio	~- y		US-PGPUB;	200±/01/20 10:33
I .							
						EPO: JPO:	
						EPO; JPO; DERWENT;	

US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	04/01/28 17:29 04/01/28 17:19
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; USPAT; US-PGPUB;	04/01/28 17:19
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	04/01/28 17:19
- 0 notch near edge and microfluid\$2 USPAT; 20 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; IBM_TDB USPAT; US-PGPUB;	04/01/28 17:19
- 0 notch near edge and microfluid\$2 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	04/01/28 17:19
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	01, 01, 20 17.15
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	
DERWENT; IBM_TDB USPAT; US-PGPUB;	
- 16 notch with edge and microfluid\$2 IBM_TDB USPAT; 20 US-PGPUB;	
US-PGPUB;	
	04/01/28 17:19
EPO; JPO;	
DERWENT;	
IBM_TDB	
	04/01/28 17:30
US-PGPUB;	
EPO; JPO;	
DERWENT; IBM TDB	
	04/01/28 17:30
US-PGPUB;	04/01/20 17.50
EPO; JPO;	
DERWENT;	
IBM TDB	
	04/01/28 17:30
US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM TDB	
	04/01/28 17:30
US-PGPUB;	
EPO; JPO;	
DERWENT; IBM TDB	
	04/01/28 17:31
US-PGPUB;	04/01/20 1/:31
EPO; JPO;	
DERWENT;	
IBM TDB	
	04/01/28 17:31
US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM_TDB	04/04/06 == 5:
	04/01/28 17:31
US-PGPUB;	
EPO; JPO; DERWENT;	
IBM TDB	
	04/01/28 17:34
US-PGPUB;	,,
EPO; JPO;	
DERWENT;	
IBM_TDB	
	04/01/28 17:42
US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM_TDB	0.10.1 :
	04/01/28 17:42
(drill same align\$4 and microfluid\$2) US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM_TDB 230 (microfluid micro-fluid micro adj fluid USPAT; 200	04/03/14 18:44
microfluidic micro-fluidic micro adj fluidic US-PGPUB;	0.1/00/14 10:44
microchannel micro-channel micro adj EPO; JPO;	
channel) and (notch channel port groove) DERWENT;	
with (edge side) near (substrate wafer IBM_TDB	
plate)	

_	15	(microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj	USPAT; US-PGPUB; EPO; JPO;	2004/03/14 18:06
		channel) same (notch channel port portal groove) near (edge side) near (substrate	DERWENT; IBM_TDB	:
-	343	microfluidic micro-fluidic micro adj fluidic	USPAT; US-PGPUB;	2004/03/14 18:07
		microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) with (substrate	EPO; JPO; DERWENT; IBM_TDB	
-	70	microfluidic micro-fluidic micro adj fluidic	USPAT; US-PGPUB;	2004/03/14 18:07
		microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate	EPO; JPO; DERWENT; IBM_TDB	
_	59	wafer plate) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/14 21:58
		groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic	IBM_TDB	
		micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))		
-	38	(microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 19:00
-	26	((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/14 18:45
		near (edge side) near (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro	IBM_TDB	
		adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic		
		micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid		
		micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side)		
-	167	near (substrate wafer plate)))) (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj	USPAT; US-PGPUB; EPO; JPO;	2004/03/14 19:02
		channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)	DERWENT; IBM_TDB	

-	127	((microfluid micro-fluid micro adj fluid	USPAT;	2004/03/14 19:01
		microfluidic micro-fluidic micro adj fluidic	US-PGPUB;	
		microchannel micro-channel micro adj	EPO; JPO;	
		channel) and (notch channel port groove)	DERWENT;	
		near (edge side) with (substrate wafer	IBM TDB	
		plate)) not (((microfluid micro-fluid micro		
		adj fluid microfluidic micro-fluidic micro		
		adj fluidic microchannel micro-channel micro		
		adj channel) same (notch channel port portal		
		groove) near (edge side) near (substrate		
		wafer plate)) ((microfluid micro-fluid micro		
		adj fluid microfluidic micro-fluidic micro		
		adj fluidic microchannel micro-channel micro		
		adj channel) same (notch channel port portal		
		1 7		
		groove) with (edge side) near (substrate		
		wafer plate)) (((microfluid micro-fluid	į	
		micro adj fluid microfluidic micro-fluidic		:
		micro adj fluidic microchannel micro-channel		
		micro adj channel) same (notch channel port		
		portal groove) with (edge side) near		
		(substrate wafer plate)) not ((microfluid		
		micro-fluid micro adj fluid microfluidic	ĺ	
		micro-fluidic micro adj fluidic microchannel		
		micro-channel micro adj channel) same (notch		
		channel port portal groove) near (edge side)		
		near (substrate wafer plate))) ((microfluid		
		micro-fluid micro adj fluid microfluidic		
		micro-fluidic micro adj fluidic microchannel		
		micro-channel micro adj channel) and (notch		
		channel port groove) near (edge side) near		
		(substrate wafer plate)))		
-	24	(((microfluid micro-fluid micro adj fluid	USPAT;	2004/03/14 19:13
		microfluidic micro-fluidic micro adj fluidic	US-PGPUB;	
		microchannel micro-channel micro adj	EPO; JPO;	
		channel) and (notch channel port groove)	DERWENT;	
		near (edge side) with (substrate wafer	IBM_TDB	
		plate)) not (((microfluid micro-fluid micro	_	
		adj fluid microfluidic micro-fluidic micro		
		adj fluidic microchannel micro-channel micro		
		adj channel) same (notch channel port portal		
		groove) near (edge side) near (substrate		
		wafer plate)) ((microfluid micro-fluid micro		
		adj fluid microfluidic micro-fluidic micro		
		adj fluidic microchannel micro-channel micro		
		adj channel) same (notch channel port portal	}	
		groove) with (edge side) near (substrate		
		wafer plate)) (((microfluid micro-fluid		
		micro adj fluid microfluidic micro-fluidic		
		micro adj fluidic microchannel micro-channel		
		micro adj channel) same (notch channel port		
		portal groove) with (edge side) near		
		(substrate wafer plate)) not ((microfluid		
		micro-fluid micro adj fluid microfluidic		
		micro-fluidic micro adj fluidic microchannel		
		micro-channel micro adj channel) same (notch		
		channel port portal groove) near (edge side)		
	1 :	near (substrate wafer plate))) ((microfluid		
		micro-fluid micro adj fluid microfluidic		
		micro-fluidic micro adj fluidic microchannel		
		micro-channel micro adj channel) and (notch		
		channel port groove) near (edge side) near		
		(substrate wafer plate)))) and (microfluid		
				l i
		micro-fluid micro adj fluid microfluidic		
		micro-fluidic micro adj fluidic microchannel		
		micro-fluidic micro adj fluidic microchannel		
		micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch		

USPAT; (((microfluid micro-fluid micro adj fluid 2004/03/14 19:14 US-PGPUB; microfluidic micro-fluidic micro adj fluidic EPO; JPO; microchannel micro-channel micro adj channel) and (notch channel port groove) DERWENT; near (edge side) with (substrate wafer IBM TDB plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near5 (substrate wafer plate) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near3 (substrate wafer plate))

(((microfluid micro-fluid micro adj fluid 2004/03/14 19:33 USPAT; microfluidic micro-fluidic micro adj fluidic US-PGPUB; microchannel micro-channel micro adj EPO; JPO; channel) and (notch channel port groove) DERWENT; near (edge side) with (substrate wafer IBM TDB plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adi channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near8 (substrate wafer plate) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near3 (substrate wafer plate))

(((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) not ((((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near3 (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid

channel port portal groove) near (edge side)

USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB

2004/03/14 19:48

	40	((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluidic micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluidic micro adj fluidic microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj fluidic microchannel micro-channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluidic micro adj fluidic microchannel micro-channel micro adj fluidic microchannel micro-channel micro adj fluidic microchannel micro-channel micro adj fluidic microchannel micro-fluidic micro adj fluidic microchannel micro-fluid micro adj fluidic microfluidic micro-fluid micro adj fluidic microchannel micro-channel micro adj fluidic microchannel micro-channel micro adj fluidic micro-fluidic micro-fluidic micro-fluidic micro-fluidic micro-fluidic micro-fluidic micro-fluidic micro-channel micro adj fluidic microchannel micro-channel micro adj fluidic microchannel micro-fluidic micro-flui	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 19:54
-	182	((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 19:55
-	458	caliper.as.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/14 19:56
-	47	caliper.as. and @pd<19990414	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 20:02